

Serial No. 09/632,696
Docket No. BTI 00.01A
Amendment B under Rule 116

AMENDMENTS TO THE CLAIMS:

Please amend claims 1 and 18, as shown below.

This listing of claims will replace all prior versions and listings of claims in the

Application:

Claim 1 (currently amended): A system for translating transaction data, said system comprising:

a core data structure having a plurality of predefined data fields;

at least ~~one~~ two first dictionaries, each said first dictionary corresponding to at least one input data format;

at least one second dictionary corresponding to at least one output data format; and

a translation engine;

said engine receiving input transaction data in one of said input data formats;

said engine determining the input data format of said input transaction data and accordingly selecting the corresponding one of said first dictionaries;

said engine using said selected first dictionary to locate, within said input transaction data, data corresponding to at least a portion of the predefined data fields of said core data structure;

said engine using said second dictionary to output transaction data, in said output data format, said output transaction data corresponding to at least a portion of the predefined data fields of said core data structure.

Claim 2 (original): The system of claim 1, wherein said input data format comprises data organized in segments and fields; and wherein said first dictionary comprises data

AYES SOLOWAY P.C.
130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
ANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

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representing: identification of a plurality of segments comprising a plurality of fields, the size of each said field, and an indicator of whether said field is required or optional.

Claim 3 (original): The system of claim 1, wherein said first dictionary comprises mapping instructions to map a predefined data field in said core data structure to a segment and field in said input data format to locate data in said input data format corresponding to said predefined data field.

Claim 4 (original): The system of claim 3, wherein said first dictionary further comprises an instruction to reformat said located data to correspond to at least one parameter of said predefined data field.

Claim 5 (original): The system of claim 4, wherein said at least one parameter is at least a parameter of field size and organization.

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Claim 6 (original): The system of claim 5, wherein said second dictionary further comprises an instruction to map a predefined data field in said core data structure to a segment and field in said output data format, thereby outputting data in said output data format corresponding to said predefined data field.

Claim 7 (original): The system of claim 6, wherein said second dictionary further comprises an instruction to generate default data to combine with data from said core data structure to output data in said output data format when said at least one parameter of said output data format requires data which is not present in said core data structure.

Claim 8 (original): The system of claim 1, further comprising an audit log, said audit log storing said input transaction data and/or said output transaction data.

AYES SOLOWAY P.C.
130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
ANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

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Claim 9 (original): The system of claim 8, wherein said system is connected to a computer network, said system receiving said input transaction data from a computer via said network and sending said output transaction data to a computer via said network, wherein said audit log further stores transaction identification data identifying the computer from which the input transaction data is sent and/or the computer to which the output transaction file is sent.

Claim 10 (original): The system of claim 8, wherein said transaction identification data further comprises data identifying a user executing an input transaction from the computer from which the input transaction data is sent.

Claim 11 (original): The system of claim 1, further comprising warehousing storage, wherein said warehousing storage electronically stores data from at least a first input transaction after said transaction has been translated into said core data structure.

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Claim 12 (original): The system of claim 11, wherein said translation engine is further adapted for receiving data from at least one additional input transaction, translating said additional input transaction data into said core data structure, storing said core data structure-translated additional input transaction data in said warehousing storage, and outputting output transaction data based on a combination of data from said at least one additional input transaction and from said first stored input transaction data.

Claim 13 (original): The system of claim 12, wherein said warehousing storage further stores transaction identification data identifying the computer from which the input transaction data is sent, the computer to which the output transaction file is to be sent, and/or data identifying a user executing an input transaction from the computer from which the input transaction data is sent, wherein said translation engine is further adapted for selecting said

AYES SOLOWAY P.C.
130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
ANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8367

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combination of data based on said transaction identification data.

Claim 14 (original): The system of claim 1, wherein said translation engine is further adapted for generating data representing a plurality of output transactions from said input transaction data, wherein said input transaction data represents a single input transaction.

Claim 15 (original): The system of claim 14, wherein the data of each said output transaction is generated using at least a portion of said input transaction data not used in the generation of any other of said output transactions.

Claim 16 (original): The system of claim 14, wherein said output transaction data of at least two of said output transactions are sent to different computers.

Claim 17 (original): The system of claim 1, wherein said translation engine comprises one or more of said core data structure, said at least one first dictionary, and said at least one second dictionary.

Claim 18 (currently amended): A method of normalizing transaction data, said method comprising the steps of:

receiving input transaction data in an input data format;

determining the input data format of said input transaction data and accordingly selecting a first dictionary corresponding to said input data format from among at least two first dictionaries, each said first dictionary corresponding to at least one input data format using at least said selected [[a]] first dictionary corresponding to said input data format to locate, within said input transaction data, data corresponding to at least a portion of the predefined data fields of a core data structure having a plurality of predefined data fields; and

AYES SOLOWAY P.C.
130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
ANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8967

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using at least a second dictionary corresponding to at least one output data format to output transaction data in said output data format, said output transaction data corresponding to at least a portion of the predefined data fields of said core data structure.

Claim 19 (original): The method of claim 18, wherein said input data format comprises data organized in segments and fields; and wherein said first dictionary comprises data representing: identification of a plurality of segments comprising a plurality of fields, the size of each said field, and an indicator of whether said field is required or optional.

Claim 20 (original): The method of claim 18, wherein said first dictionary comprises mapping instructions to map a predefined data field in said core data structure to a segment and field in said input data format to locate data in said input data format corresponding to said predefined data field.

Claim 21 (original): The method of claim 20, wherein said first dictionary further comprises an instruction to reformat said located data to correspond to at least one parameter of said predefined data field.

Claim 22 (original): The method of claim 21, wherein said at least one parameter is at least a parameter of field size and organization.

Claim 23 (original): The method of claim 22, wherein said second dictionary further comprises an instruction to map a predefined data field in said core data structure to a segment and field in said output data format, thereby outputting data in said output data format corresponding to said predefined data field.

Claim 24 (original): The method of claim 23, wherein said second dictionary further comprises an instruction to generate default data to combine with data from said core data

AYES SOLOWAY P.C.
130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
ANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8587

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structure to output data in said output data format when said at least one parameter of said output data format requires data which is not present in said core data structure.

Claim 25 (original): The method of claim 18, further comprising the step of storing in an audit log said input transaction data and/or said output transaction data.

Claim 26 (original): The method of claim 25, wherein receipt of said input transaction data and outputting of said output transaction data is via a computer network, further comprising the step of storing in said audit log transaction identification data identifying the computer from which the input transaction data is sent and/or the computer to which the output transaction file is sent.

Claim 27 (original): The method of claim 25, wherein said transaction identification data further comprises data identifying a user executing an input transaction from the computer from which the input transaction data is sent.

Claim 28 (original): The method of claim 18, further comprising the step of electronically storing data from at least a first input transaction after said transaction has been translated into said core data structure.

Claim 29 (original): The method of claim 18, further comprising the steps of receiving data from at least one additional input transaction, translating said additional input transaction data into said core data structure, storing said core data structure-translated additional input transaction data in said warehousing storage, and outputting output transaction data based on a combination of data from said at least one additional input transaction and from said first stored input transaction data.

AYES SOLOWAY P.C.
130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
ANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

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Claim 30 (original): The method of claim 29, further comprising the steps of storing transaction identification data identifying the computer from which the input transaction data is sent, the computer to which the output transaction file is to be sent, and/or data identifying a user executing an input transaction from the computer from which the input transaction data is sent; and selecting said combination of data based on said transaction identification data.

Claim 31 (original): The method of claim 18, further comprising the step of generating data representing a plurality of output transactions from said input transaction data, wherein said input transaction data represents a single input transaction.

Claim 32 (original): The method of claim 31, wherein the data of each said output transaction is generated using at least a portion of said input transaction data not used in the generation of any other of said output transactions.

Claim 33 (original): The method of claim 31, further comprising the step of sending said output transaction data of at least two of said output transactions to different computers.

AYES SOLOWAY P.C.
130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
ANCHESTER, NH 03101
TEL. 603.669.1400
FAX. 603.669.8567